

Low Cost, Light Weight Materials for Mirrors, Phase I

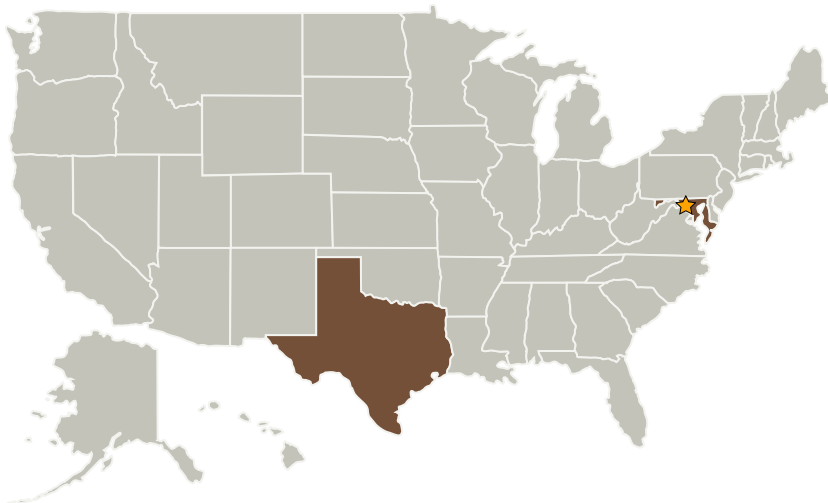
Completed Technology Project (2006 - 2007)



Project Introduction

The proposed STTR is the combination of a small business with unique materials experience, and Northwestern University, with expertise in Mirror applications, processing and characterization. The combination of these two entities with various prime contractors providing assistance makes for a successful STTR program. The applications for these materials have significant impact on NASA and other commercial entities. The unique materials being demonstrated under this program also have significant commercial applications. A successful Phase I will result in the identification of various parts and programs that can be supported by these materials. Phase II will focus on characterization and qualification of these materials.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Goddard Space Flight Center (GSFC)	Lead Organization	NASA Center	Greenbelt, Maryland
Advanced Powder Solutions	Supporting Organization	Industry	Cypress, Texas



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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Goddard Space Flight Center (GSFC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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Primary U.S. Work Locations

Maryland

Texas

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Dean M Baker

Technology Areas

Primary:

- TX12 Materials, Structures, Mechanical Systems, and Manufacturing
 - └ TX12.1 Materials
 - └ TX12.1.1 Lightweight Structural Materials